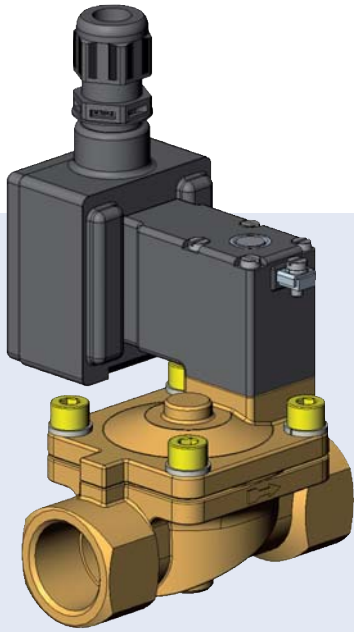




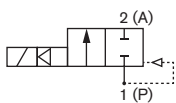
## 2/2-way Solenoid Valve for neutral media, Ex version

- General purpose range with servo-diaphragm
- Anti-waterhammer, low noise
- Push-over solenoid system
- Seal material NBR

The servo-assisted solenoid valve Type 5281 Ex with servo-diaphragm can be used in accordance with its protection type for the shutting off, dosing and filling of gaseous and liquid media in environments where there is a danger of explosion.

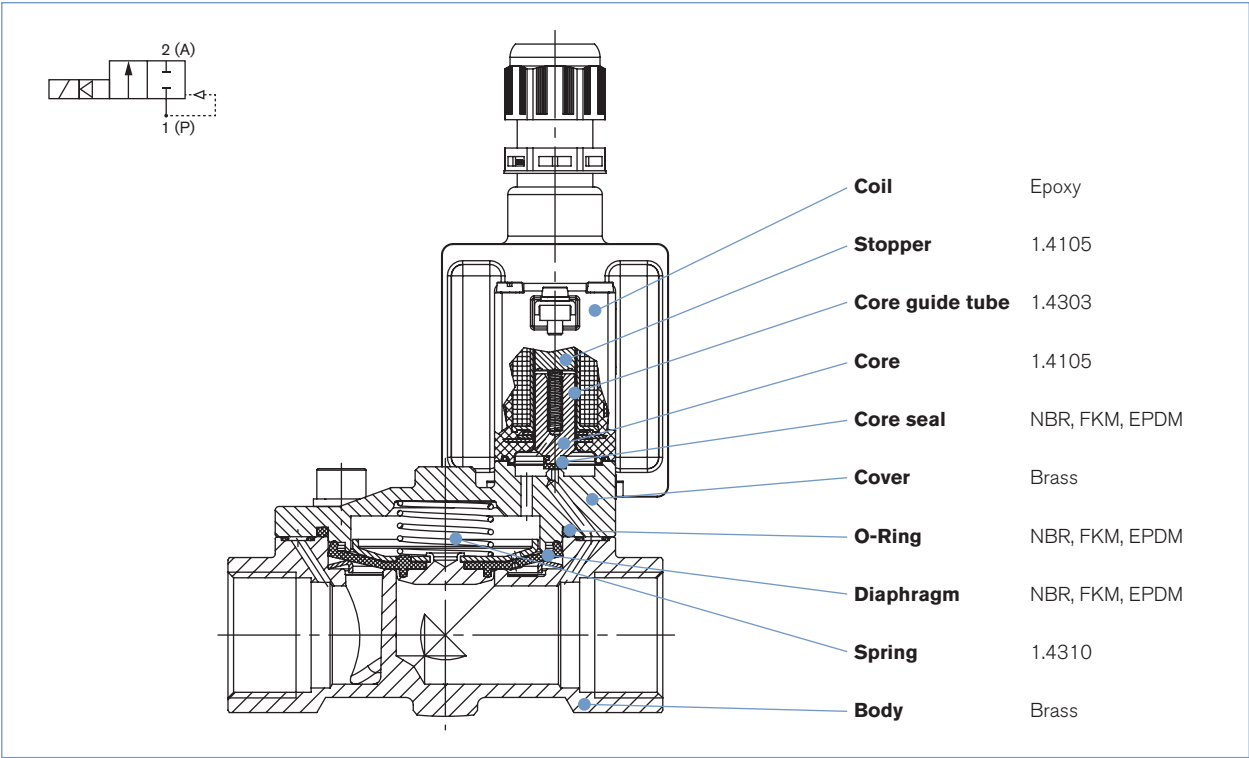
### Circuit function A

2/2-way valve NC,  
normally closed



| Technical data             |                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------|
| Orifice                    | DN13-65 mm                                                                        |
| Body material              | Brass                                                                             |
| Valve internal material    | Stainless steel, brass                                                            |
| Seal material              | NBR (EPDM and FKM on request)                                                     |
| Media with NBR             | Neutral media, compressed air, water                                              |
| Media temperature with NBR | -10 °C to +60 °C                                                                  |
| Ambient temperature        | -10 °C to +60 °C                                                                  |
| Voltage                    | 024/UC<br>230/UC<br>others on request                                             |
| Voltage tolerance          | ±10%                                                                              |
| Power consumption          | 7 W (operating temperature)                                                       |
| Duty cycle                 | 100% continuous rating                                                            |
| Electrical connection      | Screwed terminal box, with cable outlet upright                                   |
| Protection class           | IP 65                                                                             |
| Type of protection         | II 2G Ex e mb IIC T4 Gb, PTB 02 ATEX 2094 X<br>Ex mb e II T4, IECEx PTB 09.0064 X |
| Installation               | As required, preferably with actuator in upright position                         |

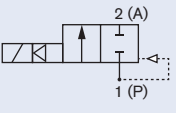
Circuit function A



Phase out

## Ordering chart for valves (other versions on request)

## Brass body with threaded ports and NBR seal

| Circuit function                                                                                                            | Port connection | Orifice [mm] | Kv value water [m³/h] | Pressure range [bar] | Per Item no. Voltage/Frequency [V/Hz] with terminal box |            |
|-----------------------------------------------------------------------------------------------------------------------------|-----------------|--------------|-----------------------|----------------------|---------------------------------------------------------|------------|
|                                                                                                                             |                 |              |                       |                      | 024/UC                                                  | 230/UC     |
| <b>A</b> 2/2-way, normally closed (NC)<br> | G 3/8           | 13           | 4,0                   | 0,2 - 16             | 265 403                                                 | on request |
|                                                                                                                             | G 1/2           | 13           | 4,0                   | 0,2 - 16             | 265 386                                                 | 265 387    |
|                                                                                                                             | G 3/4           | 20           | 5,0                   | 0,2 - 8              | 265 930                                                 | 265 399    |
|                                                                                                                             | G 1             | 25           | 10,0                  | 0,2 - 8              | 265 397                                                 | 265 398    |
|                                                                                                                             | G 1 1/4         | 32           | 20,0                  | 0,2 - 8              | on request                                              | on request |
|                                                                                                                             | G 1 1/2         | 40           | 20,0                  | 0,2 - 8              | on request                                              | on request |
|                                                                                                                             | G 2             | 50           | 40,0                  | 0,2 - 8              | on request                                              | on request |
|                                                                                                                             | G 2 1/2         | 65           | 40,0                  | 0,2 - 8              | on request                                              | on request |

 Further versions on request

 **Material**  
Seal material: EPDM, FKM

 **Electrical connection**  
Cable

 **Port connection**  
Flange

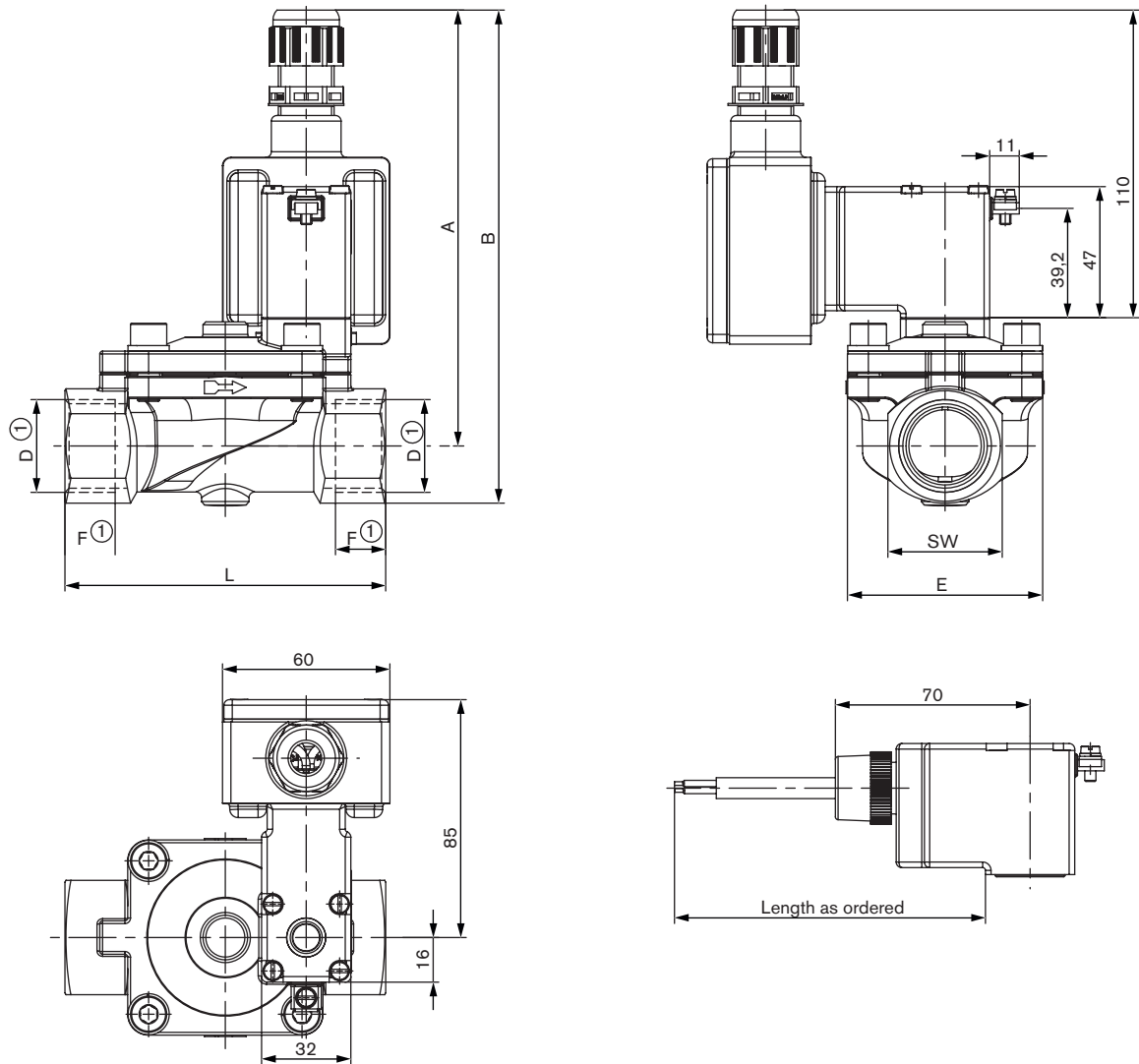
## Ordering chart accessories

## Middle delay fuse for Types with 0641 coil 7 Watt

| Voltage [V] | Nominal current [mA] | Item no. |
|-------------|----------------------|----------|
| 24          | 800                  | 153 737  |
| 110         | 160                  | 153 720  |
| 230         | 80                   | 153 745  |

Phase out

## Dimensions [mm]



| DN | A     | B     | D1 ①    | F1 ① | D2 ①      | F2 ① | D3 ①     | F3 ① | E   | L   | SW |
|----|-------|-------|---------|------|-----------|------|----------|------|-----|-----|----|
| 13 | 146,5 | 160,5 | G 3/8   | 10   | —         | —    | —        | —    | 40  | 56  | 27 |
| 13 | 146,5 | 160,5 | G 1/2   | 14   | NPT 1/2   | 13,7 | Rc 1/2   | 13,2 | 40  | 65  | 27 |
| 20 | 152,0 | 168,0 | G 3/4   | 16   | NPT 3/4   | 14,0 | Rc 3/4   | 14,5 | 60  | 100 | 32 |
| 25 | 156,0 | 176,5 | G 1     | 18   | NPT 1     | 16,8 | Rc 1     | 16,8 | 70  | 115 | 41 |
| 32 | 162,0 | 187,0 | G 1 1/4 | 20   | NPT 1 1/4 | 17,3 | Rc 1 1/4 | 19,1 | 85  | 126 | 50 |
| 40 | 166,0 | 196,5 | G 1 1/2 | 22   | NPT 1 1/2 | 17,3 | Rc 1 1/2 | 19,1 | 85  | 126 | 60 |
| 50 | 183,0 | 218,0 | G 2     | 24   | NPT 2     | 17,6 | Rc 2     | 23,4 | 115 | 164 | 70 |
| 65 | 183,0 | 225,5 | G 2 1/2 | 27   | NPT 2 1/2 | 23,6 | —        | —    | 115 | 179 | 85 |

For G thread use measurements D1 and F1

For NPT thread use measurements D2 and F2

For RC thread use measurements D3 and F3

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In case of special application conditions,  
please consult for advice.

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